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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/083,263	02/25/2002	Vincent P. Vaccarelli	D/A2038	4221
7590	07/24/2008		EXAMINER	
Patent Documentation Center Xerox Corporation Xerox Square 20th Floor 100 Clinton Ave. S. Rochester, NY 14644			WONG, ERIC TAK WAI	
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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/083,263	<b>Applicant(s)</b> VACCARELLI ET AL.
	<b>Examiner</b> ERIC T. WONG	<b>Art Unit</b> 3693

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on **4/11/2005**.

2a) This action is **FINAL**.      2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) **1-9 and 19-21** is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) **1-9 and 19-21** is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1668)  
Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_

5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-2, 4-9, and 19-20 rejected under 35 U.S.C. 102(b) as being anticipated by Remedy (as evidenced by Newswire ("Remedy Introduces New Applications To The Customer Relationship Management (CRM) Market") and Strauss ("My Remedy what! Has been resolved????"))

Examiner notes that the parts of the system which are recited in the claims are defined by functional language, ie. a query module for..., an analysis module for..., a reporting module for... Therefore, the language of the claims is given weight to the extent that the prior art is or is not capable of meeting the functional limitations. see *In Re Schreiber*, 128 F.3d 1473 (Fed. Cir. 1997).

**Regarding claim 1,**

Remedy contains a query module for automatically sending a query to a customer as to whether the customer has any problems with goods or services provided by a provider that have not been resolved to the customer's satisfaction according to a predetermined schedule (see Strauss, page 1, the generated email).

Examiner notes that Remedy sending a query to the customer after the customer has already opened a ticket qualifies as a predetermined schedule. Examiner also notes that Remedy sends the query to a customer after the customer has already opened a ticket rather than sending the query to a customer before the opening of a ticket. The references meet the limitations of the claim since the claim does not recite any required order. Even if the order was required, Bressler ("Internet CRM must have human touch") teaches contacting the customers to very that everything is to their satisfaction prior to knowledge of a customer problem (see "Follow up").

Remedy receives responses from customers to the queries, wherein a query includes a user interface for receiving responses input from a customer. The user interface is e-mail, ie. Remedy directs the customer to e-mail a particular person or group (see Strauss, page 1 generated e-mail).

Remedy contains an analysis module for analyzing responses from customers to identify a customer problem, for sending the identified customer problem to a problem solver module for resolution by a problem solver, and for tracking status of the identified customer problem (see Strauss, page 2 paragraph 3). Remedy is configured to use e-mail as a means for submitting service tickets (see Newswire, page 2 paragraph 6) and automatically routes requests for support to the correct support personnel, ie. problem solver module (see Newswire, page 2 paragraph 3). Remedy also allows for tracking the status of the identified customer problem via the web (see Strauss, "Future Remedy capabilities for UNT customers" on page 5).

Remedy contains at least one problem solver module for receiving an identified customer problem from the analysis module, for transmitting the identified customer problem to a problem solver, for receiving a solution to the identified customer problem from the problem

solver, and for transmitting the solution to the customer (see Newswire, page 2 paragraphs 3 and 6).

**Regarding claim 2,**

Since Remedy sends queries, receives responses, identifies problems, and generates solutions, it must have a memory to store copies of each query sent, response received, problem identified and solution generated (the memory is at least random-access memory). Additionally, Remedy also stores this information in non-volatile memory in order to support generation of reports (see at least Strauss, page 2 sixth bullet point).

**Regarding claim 4,**

The query module sends queries via e-mail and receives responses via e-mail (see Newswire, page 2 paragraph 6).

**Regarding claim 5,**

Remedy teaches wherein the analysis module includes a pattern recognition system for analyzing customer responses. A pattern recognition system is inherent since Remedy automatically categorizes the type of problem based on analyzing customer responses.

Examiner additionally notes that Oatman (US Patent 5,778,157) teaches using a more specific type of pattern matching that may be more relevant to Applicant's invention. More specifically, Oatman teaches using natural language processing to analyze customer responses in order to identify a type of problem (see column 3 line 58-column 4 line 23).

**Regarding claim 6,**

Remedy includes a customer relationship management database (see Strauss, page 2 sixth bullet point). Remedy is a Customer Relationship Management solution (see Newswire) and therefore any database the system uses is a Customer Relationship Management database. Remedy further includes a problem reporting module (see Strauss "What Remedy is intended to do" on pages 1-2).

**Regarding claim 7,**

Remedy includes an account activity module including records of customer account activity for storing a record of customer queries, customer responses, customer problems and solutions (see Strauss "Future Remedy capabilities for UNT customers" on page 5).

**Regarding claims 8 and 9,**

Remedy follows up to determine that everything has been resolved to a customer's satisfaction (see Strauss, page 1 generated e-mail). The frequency of the follow-up, whether it be once a month or once a week, bears no patentable distinction.

**Regarding claims 19 and 20,**

Remedy is configured to close the identified customer problem responsive to a response from the customer verifying that the problem has been solved to the customer's satisfaction and open a new customer problem responsive to a response from the customer that the problem has not been solved. In particular, Remedy allows customers to "Check the status of their own trouble tickets, close them once they have been resolved, and reopen them if they have not really been resolved" (see Strauss "Future Remedy capabilities for UNT customers" on page 5).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claim 3 rejected under 35 U.S.C. 103(a) as being unpatentable over Remedy.

**Regarding claim 3,**

As described above, Remedy is configured to send queries, receive responses, identify problems, and generate solutions. At the time of invention, Remedy also contained a report generator module (as evidenced by Ungil, "User interface" on page 2). It is not explicitly stated that the report generator module generates reports of queries sent, responses received, problems identified, and solutions generated. However, it would have been obvious to one of ordinary skill in the art at the time of invention to modify Remedy to generate these specific reports since these reports contain information describing some of the main functions of the system. One skilled in the art would have been motivated to make the modification in order to provide useful metrics in measuring the quality of the system in providing problem resolution.

Examiner notes that while the date of the Ungil reference itself is not prior to the filing date of the application, the reference describes Remedy Action Request System 5.0, which was released in December 2001 (see "Conclusion" on page 4).

3. Claim 21 rejected under 35 U.S.C. 103(a) as being unpatentable over Remedy in view of Official Notice.

**Regarding claim 21,**

Remedy allows customers via the web to "Check the status of their own trouble tickets, close them once they have been resolved, and reopen them if they have not really been resolved" (see Strauss "Future Remedy capabilities for UNT customers" on page 5).

Remedy is further configured to communicate via e-mail to check whether or not a customer has an unresolved problem. Examiner takes official notice that hyperlinks were old and well known in the art at the time of invention. Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to modify the e-mail of Remedy (see Strauss page 1) to include yes/no links which link to the appropriate web pages of the existing Remedy web interface, ie. to close or reopen a ticket. One skilled in the art would have been motivated to make the modification to facilitate the process in which Remedy ensures that the problem was actually resolved.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ERIC T. WONG whose telephone number is 571-270-3405. The examiner can normally be reached on Monday-Friday 9:00AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James A. Kramer can be reached on 571-272-6783. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James A. Kramer/  
Supervisory Patent Examiner, Art Unit 3693

ERIC T. WONG  
Examiner  
Art Unit 3693

July 8, 2008